



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2009
Code: 12291610
SAU: MSAD 35
School: Marshwood Great Works School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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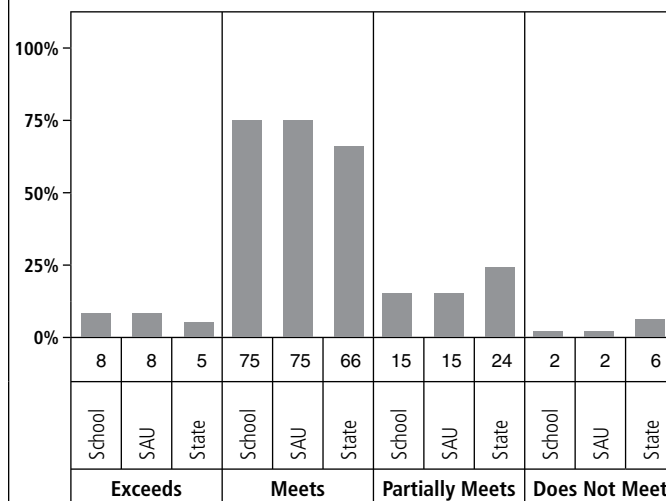
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 35
School: Marshwood Great Works School

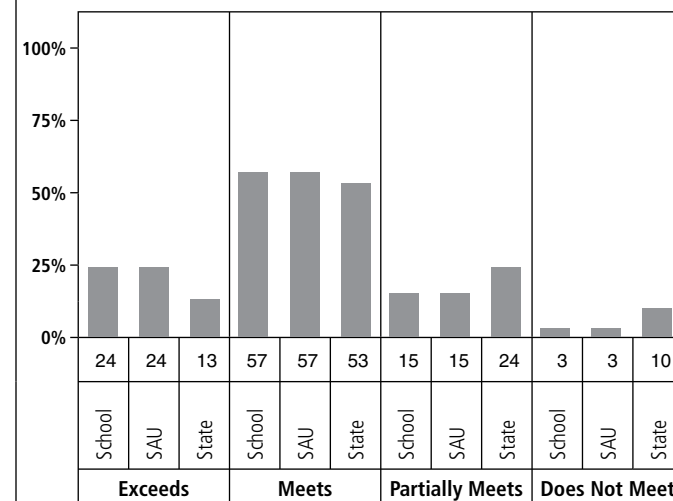
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	449	449	445
2007–2008	447	447	445
2008–2009	450	450	446
Cum. Avg.*	449	449	445
Mathematics			
2006–2007	450	450	445
2007–2008	450	450	445
2008–2009	453	453	446
Cum. Avg.*	451	451	445

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 4
SAU: MSAD 35
School: Marshwood Great Works School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	185	100	185	100	13805	100	184	99	184	99	13737	100	184	99	184	99	13746	100						
Ethnicity African American/Black	2	1	2	1	419	3	2	100	2	100	410	98	2	100	2	100	416	99						
American Indian or Native Alaskan	1	1	1	1	125	1	1	100	1	100	124	99	1	100	1	100	124	99						
Asian or Pacific Islander	1	1	1	1	229	2	1	100	1	100	223	97	1	100	1	100	227	99						
Hispanic	0	0	0	0	149	1	0	0	0	0	148	99	0	0	0	0	148	99						
Caucasian/White	181	98	181	98	12883	93	180	99	180	99	12832	100	180	99	180	99	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	29	16	29	16	2383	17	29	100	29	100	2366	100	29	100	29	100	2364	99						
Current LEP	0	0	0	0	377	3	0	0	0	0	362	96	0	0	0	0	373	99						
Economically disadvantaged	35	19	35	19	5819	42	35	100	35	100	5782	99	35	100	35	100	5788	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	154	83	154	83	10439	76	154	83	154	83	10471	76						
Identified disability (PET/IEP)	4	3	4	3	351	3	4	3	4	3	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	0	0	0	0	92	1	0	0	0	0	90	1						
Participation with accommodations	27	15	27	15	3142	23	27	15	27	15	3138	23						
Identified disability (PET/IEP)	22	81	22	81	1860	59	22	81	22	81	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	3	11	3	11	71	2	3	11	3	11	73	2						
Other	2	7	2	7	1060	34	2	7	2	7	1043	33						
Participation through alternate assessment (PAAP)	3	2	3	2	155	1	3	2	3	2	137	1						
Identified disability (PET/IEP)	3	100	3	100	155	100	3	100	3	100	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	1	1	1	1	57	0	1	1	1	1	48	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 35
School: Marshwood Great Works School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	9	5	9	5	507	4
	2007-2008	10	6	10	6	559	4
	2008-2009	15	8	15	8	672	5
	Cum. Total*	34	6	34	6	1738	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	140	75	140	75	8749	63
	2007-2008	121	67	121	67	8308	59
	2008-2009	136	75	136	75	8917	66
	Cum. Total*	397	72	397	72	25974	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	34	18	34	18	3467	25
	2007-2008	43	24	43	24	3922	28
	2008-2009	27	15	27	15	3241	24
	Cum. Total*	104	19	104	19	10630	26
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	4	2	4	2	1165	8
	2007-2008	6	3	7	4	1264	9
	2008-2009	3	2	3	2	751	6
	Cum. Total*	13	2	14	3	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	34.3	71.5	34.3	71.5	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	17.6	73.3	17.6	73.3	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	16.7	69.6	16.7	69.6	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 35
 School: Marshwood Great Works School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	181	15	8	136	75	27	15	3	2	450	181	8	75	15	2	450	13581	5	66	24	6	446
Ethnicity																						
African American/Black	2										2						408	2	51	31	16	441
American Indian or Native Alaskan	1										1						122	1	59	34	6	444
Asian or Pacific Islander	1										1						221	9	62	22	7	447
Hispanic	0										0						146	1	64	28	6	445
Caucasian/White	177	15	8	132	75	27	15	3	2	450	177	8	75	15	2	450	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	26	0	0	14	54	10	38	2	8	442	26	0	54	38	8	442	2211	1	39	42	18	439
No	155	15	10	122	79	17	11	1	1	451	155	10	79	11	1	451	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	181	15	8	136	75	27	15	3	2	450	181	8	75	15	2	450	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	33	2	6	22	67	9	27	0	0	447	33	6	67	27	0	447	5677	2	57	32	9	443
No	148	13	9	114	77	18	12	3	2	450	148	9	77	12	2	450	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	181	15	8	136	75	27	15	3	2	450	181	8	75	15	2	450	13575	5	66	24	6	446
Gender																						
Female	81	9	11	61	75	10	12	1	1	450	81	11	75	12	1	450	6580	7	68	21	5	448
Male	100	6	6	75	75	17	17	2	2	449	100	6	75	17	2	449	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	4	44	5	56	0	0	443	9	0	44	56	0	443	2127	1	48	42	9	441
No	172	15	9	132	77	22	13	3	2	450	172	9	77	13	2	450	11454	6	69	20	5	447
Gifted/talented program																						
Yes	0										0						324	27	72	1	0	458
No	181	15	8	136	75	27	15	3	2	450	181	8	75	15	2	450	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 35
School: Marshwood Great Works School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	2	67	1	33	0	0	443	2	0	67	33	0	443	4	2	45	36	17	441
B. less than one hour	78	15	11	103	73	22	16	1	1	450	78	11	73	16	1	450	75	5	67	23	4	447
C. one to two hours	18	0	0	28	88	4	13	0	0	449	18	0	88	13	0	449	18	5	67	23	5	447
D. more than two hours	2	0	0	2	50	0	0	2	50	438	2	0	50	0	50	438	2	3	45	36	16	442
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	47	12	14	62	73	10	12	1	1	452	47	14	73	12	1	452	40	8	71	17	4	449
B. good	41	3	4	57	78	12	16	1	1	448	41	4	78	16	1	448	45	3	66	25	5	446
C. fair	12	0	0	16	73	5	23	1	5	446	12	0	73	23	5	446	13	1	54	35	10	442
D. poor	0										0						2	0	39	42	19	439
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	34	8	13	45	75	6	10	1	2	452	34	13	75	10	2	452	31	8	69	19	4	448
B. They match some of what I have learned.	58	7	7	79	77	16	16	1	1	449	58	7	77	16	1	449	53	4	68	23	4	447
C. They match just a little of what I have learned.	8	0	0	10	71	4	29	0	0	447	8	0	71	29	0	447	11	2	54	35	10	442
D. There is no match.	1	0	0	1	50	0	0	1	50	439	1	0	50	0	50	439	4	1	39	40	20	439
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	10	0	0	17	94	0	0	1	6	448	10	0	94	0	6	448	19	4	54	31	11	443
B. about the same as my regular schoolwork	67	12	10	90	74	18	15	1	1	450	67	10	74	15	1	450	63	6	69	22	4	447
C. easier than my regular schoolwork	23	3	7	28	68	9	22	1	2	449	23	7	68	22	2	449	18	4	68	23	5	446
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	9	0	0	8	50	8	50	0	0	444	9	0	50	50	0	444	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	50	3	3	74	84	9	10	2	2	449	50	3	84	10	2	449	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	41	11	15	52	71	9	12	1	1	452	41	15	71	12	1	452	35	9	72	16	3	449
How much time do you spend reading at home each day?																						
A. more than one hour	26	6	13	32	68	7	15	2	4	450	26	13	68	15	4	450	21	8	68	19	5	448
B. 20 minutes to an hour	51	8	9	74	80	10	11	0	0	451	51	9	80	11	0	451	55	5	70	21	4	447
C. less than 20 minutes	11	1	5	12	60	6	30	1	5	445	11	5	60	30	5	445	13	2	57	33	8	443
D. I rarely read at home.	12	0	0	17	81	4	19	0	0	448	12	0	81	19	0	448	11	1	51	37	11	442
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	27	7	15	31	66	9	19	0	0	451	27	15	66	19	0	451	25	3	59	30	8	444
B. six to ten pages	28	2	4	39	80	6	12	2	4	448	28	4	80	12	4	448	24	4	64	26	6	445
C. eleven or more pages	45	5	6	62	78	12	15	1	1	450	45	6	78	15	1	450	51	7	70	20	4	448
Optional school/SAU question																						
A.	44	10	13	56	72	12	15	0	0	452	44	13	72	15	0	452						
B.	47	5	6	64	77	12	14	2	2	449	47	6	77	14	2	449						
C.	10	0	0	14	82	2	12	1	6	447	10	0	82	12	6	447						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 35
School: Marshwood Great Works School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	23	12	23	12	1054	8
	2007-2008	30	17	30	17	1321	9
	2008-2009	44	24	44	24	1712	13
	Cum. Total*	97	18	97	18	4087	10
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	125	65	125	65	7394	53
	2007-2008	101	56	101	56	7079	51
	2008-2009	104	57	104	57	7270	53
	Cum. Total*	330	60	330	60	21743	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	37	19	37	19	3729	27
	2007-2008	40	22	40	22	3955	28
	2008-2009	28	15	28	15	3219	24
	Cum. Total*	105	19	105	19	10903	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	7	4	7	4	1735	12
	2007-2008	9	5	10	6	1642	12
	2008-2009	5	3	5	3	1408	10
	Cum. Total*	21	4	22	4	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	34.8	72.5	34.8	72.5	30.8	64.2
A. Number	20	42	14.5	72.5	14.5	72.5	12.5	62.5
B. Data	8	17	5.8	72.5	5.8	72.5	5.3	66.3
C. Geometry	10	21	7.3	73.0	7.3	73.0	6.5	65.0
D. Algebra	10	21	7.2	72.0	7.2	72.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 35
 School: Marshwood Great Works School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	181	44	24	104	57	28	15	5	3	453	181	24	57	15	3	453	13609	13	53	24	10	446
Ethnicity																						
African American/Black	2										2						415	5	41	30	24	439
American Indian or Native Alaskan	1										1						123	12	46	28	13	445
Asian or Pacific Islander	1										1						225	22	45	20	12	448
Hispanic	0										0						147	3	58	30	10	443
Caucasian/White	177	44	25	102	58	26	15	5	3	453	177	25	58	15	3	453	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	26	1	4	17	65	7	27	1	4	446	26	4	65	27	4	446	2227	3	34	33	30	437
No	155	43	28	87	56	21	14	4	3	454	155	28	56	14	3	454	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	181	44	24	104	57	28	15	5	3	453	181	24	57	15	3	453	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	33	4	12	19	58	9	27	1	3	448	33	12	58	27	3	448	5704	6	48	30	16	442
No	148	40	27	85	57	19	13	4	3	454	148	27	57	13	3	454	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	181	44	24	104	57	28	15	5	3	453	181	24	57	15	3	453	13603	13	53	24	10	446
Gender																						
Female	81	19	23	45	56	13	16	4	5	452	81	23	56	16	5	452	6591	12	54	24	11	446
Male	100	25	25	59	59	15	15	1	1	454	100	25	59	15	1	454	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	4	44	3	33	2	22	439	9	0	44	33	22	439	2131	3	41	38	18	440
No	172	44	26	100	58	25	15	3	2	454	172	26	58	15	2	454	11478	14	56	21	9	448
Gifted/talented program																						
Yes	0										0						324	64	34	2	0	464
No	181	44	24	104	57	28	15	5	3	453	181	24	57	15	3	453	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 35
School: Marshwood Great Works School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	3	100	0	0	0	0	451	2	0	100	0	0	451	4	4	37	30	28	438
B. less than one hour	78	41	29	77	55	21	15	2	1	455	78	29	55	15	1	455	75	13	55	23	9	447
C. one to two hours	18	3	9	21	66	7	22	1	3	448	18	9	66	22	3	448	18	12	54	24	10	446
D. more than two hours	2	0	0	3	75	0	0	1	25	439	2	0	75	0	25	439	2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	40	36	50	34	47	2	3	0	0	461	40	50	47	3	0	461	37	22	56	16	7	451
B. good	44	7	9	54	68	17	21	2	3	450	44	9	68	21	3	450	45	9	56	25	9	446
C. fair	14	1	4	15	58	9	35	1	4	443	14	4	58	35	4	443	14	3	46	34	17	440
D. poor	1	0	0	1	50	0	0	1	50	441	1	0	50	0	50	441	3	2	33	35	29	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	52	26	28	49	52	17	18	2	2	454	52	28	52	18	2	454	35	19	56	19	7	450
B. They match some of what I have learned.	39	15	21	48	69	7	10	0	0	453	39	21	69	10	0	453	51	11	56	25	8	446
C. They match just a little of what I have learned.	7	3	23	6	46	3	23	1	8	449	7	23	46	23	8	449	10	5	43	31	21	440
D. There is no match.	2	0	0	1	33	1	33	1	33	435	2	0	33	33	33	435	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	11	3	16	10	53	4	21	2	11	448	11	16	53	21	11	448	17	5	44	31	20	441
B. about the same as my regular schoolwork	65	23	20	69	60	21	18	2	2	452	65	20	60	18	2	452	62	13	57	23	7	448
C. easier than my regular schoolwork	25	18	41	24	55	2	5	0	0	458	25	41	55	5	0	458	21	18	53	19	10	449
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	6	0	0	9	82	2	18	0	0	447	6	0	82	18	0	447	7	6	36	32	27	438
B. 30–45 minutes	26	9	19	30	64	6	13	2	4	452	26	19	64	13	4	452	25	7	52	28	12	444
C. 45–60 minutes	37	18	27	33	50	14	21	1	2	453	37	27	50	21	2	453	38	14	56	22	8	448
D. more than 60 minutes	31	16	29	32	58	6	11	1	2	456	31	29	58	11	2	456	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	3	1	20	2	40	2	40	0	0	449	3	20	40	40	0	449	3	4	36	31	28	438
B. two or three days a week	24	9	20	30	68	5	11	0	0	455	24	20	68	11	0	455	12	13	51	26	10	446
C. two or three times each month	55	24	24	58	59	15	15	2	2	453	55	24	59	15	2	453	32	15	58	20	7	449
D. never or almost never	18	10	31	14	44	6	19	2	6	452	18	31	44	19	6	452	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	38	19	28	41	60	8	12	0	0	455	38	28	60	12	0	455	26	12	50	25	13	445
B. two or three days a week	42	20	26	37	49	16	21	3	4	452	42	26	49	21	4	452	32	14	57	21	7	448
C. two or three times each month	16	5	18	19	68	3	11	1	4	453	16	18	68	11	4	453	26	13	56	22	8	448
D. never or almost never	4	0	0	7	88	1	13	0	0	447	4	0	88	13	0	447	17	9	50	27	13	444
Optional school/SAU question																						
A.	44	18	23	53	68	5	6	2	3	455	44	23	68	6	3	455						
B.	47	25	30	39	47	18	22	1	1	453	47	30	47	22	1	453						
C.	10	1	6	11	65	4	24	1	6	447	10	6	65	24	6	447						
D.	0										0											

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